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## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|            |           |              |               |          |                    | -                  | (T        | hro          | ugl      | n n  | um       | eral)  | ) (            | and      | elec      | 1        |            |           |           | Α        | ••••     |          | •••••    |           |              | Арр        | eal    |  |  |  |          |          |          |              |          |
|------------|-----------|--------------|---------------|----------|--------------------|--------------------|-----------|--------------|----------|------|----------|--------|----------------|----------|-----------|----------|------------|-----------|-----------|----------|----------|----------|----------|-----------|--------------|------------|--------|--|--|--|----------|----------|----------|--------------|----------|
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| ŀ          |           | 8            | ান্ন          | য়ে      | Т                  | Jaie               | _         | _            |          | _    | Τ        | ł      | CIE            |          | _         | $\neg$   |            |           | Dat       | e        |          |          | П        | $\dashv$  | Cli          | 1          | _      | 1-   |  | Da   | te       | _        |          |              |          |
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|            |           | سنع          | ۹             | m        |                    |                    |           |              |          |      |          |        | Final          | Oric     |           |          |            |           |           |          |          |          |          |           | Final        | iğ,        | 1      |  |  |  |          |          |          | 1            |          |
|            |           |              | <b>V</b>      | <b>✓</b> |                    |                    |           |              |          |      |          | ]      |                | 51       |           | $\neg$   |            |           |           | _        |          |          |          | 7         |              | 101        | $\top$ | T  | 1  |  |          |          |          |              | ┪        |
|            | 2         |              | 1             |          |                    |                    |           |              |          |      |          |        |                | 52       |           |          |            |           |           |          |          |          |          |           |              | 102        |        |  |  |  |          |          |          |              | Г        |
| L          | 3         | +-           | 1             | 1        | _                  |                    | ·         |              |          | L    | L        |        | L              | 53       | $\sqcup$  |          |            |           |           |          |          |          |          |           |              | 103        |        |  |  |  |          |          |          |              |          |
| F          | 14        | +            | +             | 1        | 4                  | $\dashv$           | 4         |              |          | _    | - :      | ļ      | <u></u>        | 54       | _         |          |            |           |           |          |          |          |          | 4         |              | 104        |        |  | _  |  |          |          |          |              |          |
| ŀ          | 5<br>6    |              | _             | 7        | +                  | $\dashv$           | +         | _            | -        | L    |          | ł      |                | 55       | -         | _        | Ш          |           | _         |          |          |          | $\vdash$ | 4         | $\vdash$     | 105        | 4      | 4  | 1  | ļ  | <u> </u> | <u> </u> | igspace  | <u> </u>     | ļ_       |
| H          | + 7       |              |               | 7        | $\dashv$           | $\dashv$           | +         | $\dashv$     | $\vdash$ | -    | ┢        | ł      | -              | 56<br>57 | -+        | -        | _          | Н         | _         |          |          |          | ┝╌┼╴     | $\dashv$  | -            | 106<br>107 | -      | $\vdash$   | ╀  | ├-   | ├        | <b> </b> | H        | ⊢            | -        |
| ┝          | 8         | -            | ٠·            | 7        | +                  | $\dashv$           | +         | -            |          | H    | ┢        | 1      | -              | 58       | -         | $\dashv$ | -          | Н         | Н         | H        | -        |          |          | $\dashv$  | -            | 108        | +      | +  | ╁  | ┼  |          | ┝        | -        | -            | ├        |
| r          | 9         | -            | 17            | V        | +                  | +                  | +         |              |          | _    | ┢        | 1      | $\vdash$       | 59       | ┪         | $\dashv$ | -          | Н         | Н         |          |          | . :      | -        | $\dashv$  | $\vdash$     | 109        | +-     | ┼╌   | ╁  | -  | -        |          | H        | H            | $\vdash$ |
| Ţ          | 10        | -            | 1             | 1        | $\forall$          | $\top$             | T         |              | $\vdash$ | Г    |          |        | Г              | 60       | 寸         |          |            |           |           |          |          |          |          | $\exists$ | -            | 110        | +      | +  | ┢  | $\vdash$   | $\vdash$ |          | $\vdash$ |              | H        |
| E          | 11        | 7            | 7             | 7        |                    |                    |           |              |          |      | l —      | 1      |                | 61       | 7         |          | $\Box$     | П         | П         |          |          |          |          |           | -            | 111        | +      | †  | T  | T  | <u> </u> |          |          | П            | H        |
|            | 12        | _            | 1             | 7        |                    | $\Box$             |           |              |          |      |          | ]      |                | 62       |           |          |            |           |           |          |          |          |          |           |              | 112        |        | T  |  |  | T        |          |          | П            | $\vdash$ |
| L          | 13        | _            | 1             | <b>V</b> | _[                 | $\perp$            |           |              |          |      |          |        |                | 63       |           |          |            |           |           |          |          |          |          | ]         |              | 113        |        | $\Gamma$   |  |  |          |          |          |              | Г        |
| ŀ          | 14        | +*-          |               | <b>V</b> | _                  |                    | 4         |              |          |      |          | ļ      | _              | 64       | _         |          |            |           |           |          |          |          |          |           |              | 114        |        |  |  |  |          |          |          |              |          |
| -          | 15        | +            |               | V        | 4                  | 4                  | +         | -            |          |      | _        | l      | $\vdash$       | 65       | 4         |          | Щ          |           |           |          |          |          | $\sqcup$ | 4         | _            | 115        |        |  | L  | L  | _        | <u> </u> |          | $oxed{oxed}$ |          |
| -          | 16<br>17  | <u> </u>     |               | V        | +                  | +                  | +         | -            | _        |      | -        |        | ļ.             | 66<br>67 | -         | 4        | 4          | _         | $\dashv$  |          | -        |          | $\vdash$ | 4         |              | 116        |        | ↓  | <u> </u>   |  | _        |          | Ш        | $\sqcup$     | _        |
| -          | 18        |              |               | <b>Y</b> | +                  | +                  | +         | $\dashv$     |          | _    | H        |        | -              | 68       | $\dashv$  | $\dashv$ |            |           | $\dashv$  |          | $\dashv$ |          |          |           | -            | 117<br>118 | +-     | ╀  |  | ⊢  |          | ┝        |          | $\vdash$     | <u> </u> |
| H          | (19       |              |               | 7        | +                  | +                  | +         | ᅥ            | -        |      |          |        | $\vdash$       | 69       | $\dashv$  |          | $\dashv$   | -         | -         |          |          | _        | -        | -         | ٠, 🗝         | 119        | +-     | ╁  | ┢  | ├-   | -        | -        | H        | H            | -        |
| t          | 20        | -            | Ż             | V        | $^{+}$             | $\dashv$           | +         | -            |          |      |          |        | $\vdash$       | 70       | -         | $\dashv$ |            | $\dashv$  | Н         | $\vdash$ |          | _        | $\vdash$ | -         | -            | 120        | ╁      | $\vdash$   | $\vdash$   | -  | -        | -        | Н        | H            | -        |
| -          | 21        | _            | ÷             | 7        | +                  | $\dashv$           | +         | $\dashv$     | -        | _    |          |        | ┝              | 71       | ┪         | -        |            |           | $\vdash$  |          | -        |          | -        | -         | -            | 121        | ╁      | ╁  | -  | +-   |          | -        | -        | H            | ⊢        |
| ŀ          | . 22      | 7            | -             | 0        | $\top$             | _                  | +         | $\dashv$     | Н        |      | -        | 1      | -              | 72       | 十         |          | -          | -         | H         | -        |          |          |          | -         | -            | 122        | +      | ╁  |  | ┢  | _        |          | Н        |              | ⊢        |
| . 5        | · 22      | br           | 1             | 7        | 十                  | _                  | 7         | 一            | Н        |      | H        |        | <u> </u>       | 73       | 7         |          |            |           |           |          |          | -        | $\vdash$ | _         | -            | 123        | +      | $\dagger -$                                      | 1  | -  | -        | -        |          | $\vdash$     | -        |
|            | 24        |              | 1             | 1        | 1                  |                    | 1         |              |          |      | $\Box$   | 1      | $\Box$         | 74       | _         |          |            |           |           |          |          |          |          |           |              | 124        | 1      | 1  |  | $\vdash$   | _        |          | Н        | $\vdash$     | $\vdash$ |
|            | 25        |              | V             | 7        |                    |                    | $\Box$    |              |          |      |          |        |                | 75       |           |          |            |           |           |          |          |          |          | 3         |              | 125        |        | T  | 1  |  |          |          | П        | _            |          |
| L          | 26        | <del>-</del> | 1             | V        | 4                  | 4                  | _         | _            |          |      |          |        |                | 76       |           |          |            |           |           |          |          |          |          |           |              | 126        | Π      |  |  |  |          |          |          |              |          |
| F          | 27        | 1            | 1             | <b>V</b> | 4                  | 4                  | 4         | _            |          | _    |          |        |                | 77       | 4         | _        | _          |           |           |          | _        |          |          | _         | _            | 127        | L      | <u> </u>   | _  |  |          |          |          |              |          |
| -          | 28<br>29  | ÷            | V,            | <b>V</b> | 4                  | -                  | +         | 4            | $\Box$   |      |          |        | <u> </u>       | 78<br>79 | -         | _        | _          |           |           |          | _        | _        |          | 4         | _            | 128        | 1      | _  | _  | <u> </u>   | _        |          | $\sqcup$ | $\sqcup$     | L        |
| H          | 30        | +-           | /             | V        | +                  | -+                 | +         | -            |          |      |          |        | -              | 80       | +         | -        |            |           |           |          |          |          | +        | 4         | $\vdash$     | 129<br>130 | +-     | <u> </u>   |  | ┞  | <u> </u> |          | $\vdash$ | Н            | _        |
| H          | 31        |              | 4             | 7        | +                  | +                  | +         | _            |          |      |          |        | $\vdash$       | 81       | -         | -        |            | -         |           |          | $\dashv$ | -        | -+-      | $\dashv$  | -            | 131        | +-     | -  | ├  | -  |          |          | Н        |              | -        |
| t          | 32        | 1,           | V             | 7        | +                  | -+                 | $\dagger$ | _            | _        |      | -        |        | $\vdash$       | 82       | +         | 7        | ┪          |           | -         |          |          | -        | -        | $\dashv$  | -            | 132        | ╁╌     | ┼  | <del> </del>                                     |  | ├        | -        |          | Н            | -        |
| Γ          | 33        | V            | 1             | 7        | T                  | 7                  | 7         |              |          |      |          |        |                | 83       | 7         | 7        | $\dashv$   | $\dashv$  |           |          | $\dashv$ | $\neg$   | +        | 1         | -            | 133        | +      | <del>                                     </del> | ╁  | t  |          | -        |          | Н            |          |
|            | 34        | V            | 7             | V        |                    |                    | Ť         |              |          |      |          |        |                | 84       | $\exists$ |          | $\neg$     | $\exists$ | $\neg$    |          | _        |          |          | 7         |              | 134        |        |  | <del>                                     </del> | <del>                                     </del> |          | -        |          | H            | _        |
|            | 35        | V            | Y             | 7        | I                  | $oxed{\int}$       |           |              |          |      |          |        |                | 85       |           |          |            |           |           |          |          |          |          |           |              | 135        | 1      |  |  | Г  | Т        |          | $\sqcap$ |              | Γ        |
| L          | 36        | V,           | 1             | V,       |                    | $\perp$            | $\perp$   | _[           | $\Box$   |      |          |        |                | 86       | $\Box$    | $\Box$   | $\Box$     | $\Box$    | $\Box$    |          |          |          |          |           |              | 136        |        |  |  |  |          |          |          |              |          |
| $\perp$    | 37        |              | 1             | 7        | +                  | 4                  | 4         | 4            |          |      | $\dashv$ |        | Ш              | 87       | 4         | _        | 4          | _         | _         |          | $\dashv$ | _        |          | _         | <del>-</del> | 137        | L      |  |  |  |          |          |          |              |          |
| -          | (3)<br>39 |              | 1             | -+-      | +                  | +                  | +         | 4            | -        |      | Ц        |        |                | 88<br>89 | -         | 4        | $\dashv$   |           | 4         | _        | _        | _        | _        | 4         |              | 138        | -      |  | _  |  | Ш        |          |          | ᆜ            | _        |
| +          | 40        |              | <del> -</del> | +        | +                  | +                  | +         | $\dashv$     | $\dashv$ |      | Н        |        |                | 90       | +         | +        |            | $\dashv$  | $\dashv$  |          | -        | $\dashv$ | +        | $\dashv$  |              | 139        | +      | $\vdash$   | -  | Н  | Щ        | -        | _        | _            | _        |
|            | 41        | +            |               | -        | +                  | +                  | +         | $\dashv$     | -        | _    | $\dashv$ |        |                | 91       | +         | $\dashv$ | -          | $\dashv$  | -         |          | 4        | -        | -+       | $\dashv$  |              | 140<br>141 | +-     | $\vdash$   | _  | $\vdash$   | Ш        |          |          | $\dashv$     |          |
| 1          | 42        | -            |               | +        | +                  | $\dashv$           | +         | $\dashv$     |          |      | $\dashv$ |        | $\vdash$       | 92       | $\dashv$  | $\dashv$ | -          | +         | $\dashv$  | $\dashv$ |          |          | +        | -         |              |            | ┼—     | Н  | -  | -  | Н        | Н        | $\dashv$ | _            |          |
| +          | 43        | _            | -             | +        | +                  | +                  | +         | $\dashv$     | $\dashv$ | _    | -        |        | $\vdash\vdash$ | 93       | +         | ᅱ        |            | +         | ᅱ         | $\dashv$ | $\dashv$ | -        | +        | +         |              | 142<br>143 | +-     |  | -  | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$ |              |          |
|            | 44        |              |               | -        | $\dagger$          | +                  | +         | +            | +        |      | $\dashv$ |        | H              | 94       | +         | 7        | -          | $\dashv$  | -         | +        | +        | $\dashv$ | -        | $\dashv$  |              | 144        | +      |  | -  | Н  | $\dashv$ |          | -        | $\dashv$     |          |
|            | 45        |              |               |          | Ī                  | Ť                  | _         | _†           | _        |      | $\vdash$ | ı      | П              | 95       | +         | 7        | 7          |           | $\dashv$  |          | 寸        | -        | +        | 1         | _            | 145        | $t^-$  | Н  | -  |  | $\dashv$ |          | $\dashv$ | $\dashv$     |          |
|            | 46        |              |               |          | 1                  | I                  | I         |              |          |      |          |        |                | 96       | _         |          |            | T         | $\exists$ |          |          | 1        | $\top$   | 1         |              | 146        | †      |  |  | П  |          |          | $\dashv$ | $\dashv$     |          |
| L          | 47        |              |               |          | $oxed{\mathbb{I}}$ |                    | $\prod$   |              |          |      |          | !      | _              | 97       |           |          |            |           |           | _1       |          |          |          | 7         | _            | 147        |        |  | П  |  |          |          | $\dashv$ | $\dashv$     | _        |
| $\perp$    | 48        | L            | $oxed{oxed}$  |          | 4                  | $oldsymbol{\perp}$ | Ţ         | $\prod$      |          |      |          |        |                | 98       | I         | $\Box$   | $\Box$     | $\Box$    |           |          | $\Box$   |          |          |           |              | 148        |        |  |  |  |          |          |          |              | _        |
| L          | 49        | _            | Ļ.            |          | $\perp$            | 4                  | 1         | $\downarrow$ | _        |      |          |        |                | 99       | $\perp$   |          |            |           |           | _[       |          | $\Box$   |          | J         |              | 149        |        |  |  |  |          |          |          |              | _        |
| L.         | 50        | L            | L!            | _        | _                  |                    | _         |              |          |      |          |        |                | 00       | ᆚ         |          |            |           |           |          |          |          | L        | J         |              | 160        |        |  |  |  |          |          |          |              |          |

If mere than 150 claims or 10 actions staple additional sheet here